

550,454

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/085547 A1

- (51) International Patent Classification⁷: **C09B 69/10**
- (21) International Application Number:
PCT/CH2004/000177
- (22) International Filing Date: 23 March 2004 (23.03.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03 405 207.6 26 March 2003 (26.03.2003) EP
- (71) Applicant (for all designated States except US): **ROLIC AG** [CH/CH]; Chamerstrasse 50, CH-6301 Zug (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PEGLOW, Thomas** [DE/DE]; Feldbergstrasse 8, 79539 Lörrach (DE). **CHERKAoui, Zoubair, Mohammed** [MA/CH]; Allmendstrasse 2, CH-4123 Allschwil (CH). **MOIA, Franco** [IT/CH]; Eggstrasse 24A, CH-4402 Frenkendorf (CH). **SCHWAB, Mario** [DE/DE]; Jägerstrasse 8, 79108 Freiburg (DE).
- (74) Agent: **CARREIRA, Andrea**; Isler & Pedrazzini AG, Gotthardstrasse 53, Postfach 6940, CH-8023 Zürich (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYMERIZABLE DICHROIC AZO DYES

(57) Abstract: The present invention is directed towards polymerizable dichroic azo dyes comprising azo-chromophores having at least one standard mesogenic ring system attached to said chromophores and at least one polymerizable group leading to dyes having sufficient solubility and a very high order parameter.

WO 2004/085547 A1